

DEVELOPMENT CHALLENGES, SOUTH-SOUTH SOLUTIONS

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1) 3D Printing Gives Boy a New Arm in Sudan

3D printing is rapidly going mainstream and is now starting to make a big impact in health care. One innovative solution is using the technology to manufacture artificial arms for amputees harmed by war in Africa.

While large-scale manufacturers use the machines to fabricate products and parts, from aircraft components to furniture, it is the smaller-scale use of 3D printing machines that has been getting many working in development excited.

3D printing (http://en.wikipedia.org/wiki/3D_printing) usually involves a desktop-sized fabrication machine that builds a three-dimensional object following instructions from a digital computer file. It is an additive process, in which material is laid down in successive layers to create an object. The technology has been around since the 1980s but only became affordable for the general public in the past five years. Typically, 3D printers are used to make prototypes — for example architectural models or machine parts — or to manufacture one-off objects without the need to turn to mass production methods. But the technology is evolving quickly and, according to The Guardian, "20% of the output of 3D printers is now final products rather than prototypes."

For international development, 3D printing offers the potential to close the gap between what is available in developed and developing countries. Just as the Internet has closed the knowledge gap, and enabled people around the world to access news and knowledge at the same time, so 3D printing could make it possible for technological innovations to be available everywhere. Just upload the digital plans for an object, and people can download them and print the item, wherever they are.

Some of the more enthusiastic proponents of 3D manufacturing see it as a game-changer in access to technology. They argue it could eliminate material want and place the power of manufacturing in the hands of billions, in the same way the rapid proliferation of mobile phones and the Internet transformed access to information. That is the dreamers' dream, but it is closer than many think.

The conflict in the new nation of South Sudan, which separated from the Republic of the Sudan in 2011, continues and involves UN peacekeeping forces (<http://unmiss.unmissions.org>). The violence has killed over 10,000 (International Crisis Group) and injured many more, ruining lives through lost limbs and capabilities. One young boy, Daniel Omar, 16, lost both his hands while trying to use a tree trunk to shield himself from an exploding bomb. Losing his hands was devastating enough, but he was also so depressed at not being of full use to his family that he wished he had died that day.

He is not alone in being harmed by the conflict. In total, an estimated 50,000 people in South Sudan are physically disabled, according to the [International Committee of the Red Cross](#) (ICRC).

Prosthetic limbs are very expensive and so far are not a priority for medical services in the country. Saving lives is the priority, with rehabilitation an expensive luxury.

This is where Not Impossible Labs (notimpossiblelabs.com), based in Los Angeles, California, came in. The non-profit startup founded by Mick Ebeling specializes in "crowd-sourcing to crowd-solve previously insurmountable healthcare issues." The solutions are then made public on the Internet and

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explained in online media to help innovators either replicate the solutions or be inspired to come up with their own ideas.

The lab's ingenious solutions include BrainWriter - a way to draw using brainwaves and a computer mouse that can allow disabled artists to carry on creating. Not Impossible Labs also developed a high-tech cane for the blind that draws on sonar technology and a laser to navigate the terrain and foresee upcoming obstacles.

Emotionally touched after learning about Daniel's plight, Ebeling decided to act.

"I've got three little boys," Ebeling told The Guardian newspaper. "It was hard for me to read a story about a young boy who had lost his arms."

Project Daniel (<http://www.notimpossiblelabs.com/#!project-daniel/c1imu>) set out to manufacture artificial hands for Daniel without him having to leave his country and his family. Daniel was living between the Yida refugee camp in South Sudan and his home in the Nuba Mountains.

A team from Not Impossible Labs set up the 3D printing lab in the Nuba Mountains and trained and supervised the local team to print two prosthetic arms. The design for the arm was done in the U.S. at its headquarters in Venice, California and is available for free and is open source (http://en.wikipedia.org/wiki/Open_source). A "dream team of innovators" were assembled - including the South African inventor of the Robohand (<http://www.robohand.net/>), an Australian MIT (Massachusetts Institute of Technology) neuroscientist and a 3D printing company owner from Northern California - to crowd-solve the challenge of making a 3D-printable prostheses. A precision engineering company, Precipart (precipart.com/home), and Intel were also drafted in to support the project.

Not Impossible believe the spirit behind the project will be globally transformative.

"We are on the precipice of a can do maker community that is reaching critical mass," said Elliot V. Kotek, Not Impossible's content chief and co-founder. "There is no shortage of knowledge, and we are linking the brightest technical minds and creative problem-solvers around the globe. Project Daniel is just the tip of the proverbial iceberg."

Daniel's new artificial arm and hand took a 3D printer several days to make and cost around US \$100.

In November 2013, Ebeling travelled to South Sudan with all the equipment required to "print" Daniel a new arm: 3D printers, spools of plastic and cables.

The plastic arm printed by the 3D printer works by allowing the wearer to flex what remains of their arm to pull various cables that act as ligaments, like in a real limb. When the user flexes and bends, the cables pull back and in turn make the fingers close and open.

It is not a solution for every amputee. "With the technology we currently have it's hard to help people with no arm left," said Kotek. "There needs to be at least a little bit of a stump."

Shy at first, once Daniel saw the arm, he was transformed. "It was a pretty amazing thing to see this boy come out of his shell," said Ebeling. "Getting Daniel to feed himself was a highlight that was right up there with watching my kids being born."

Even more impressive has been the quick adoption of the technology by the local doctor, Dr. Tom Catena, who performs all the amputations in the area.

With two 3D printing machines left behind by Ebeling, Dr. Catena has been able to print a prosthetic arm a week.

The machines mostly work at night when it is cool. The printer parts are then assembled by eight local people trained to operate the machines and build the arms.

But how do they ensure, over time, this 21st-century technology doesn't just fall into disrepair and neglect as has been seen time and again with other attempts at technology transfer? Weekly phone calls are made to check on the project and the plastic used to make the arms is sent directly from Not Impossible Labs.

And then there is community buy-in.

"At first these kids wanted arms that matched their skin tone, because they didn't want to stand out," said Kotek.

But in time the youths have been decorating the arms in many colors and customizing them. And the arms have been given a name: the Daniel Arm.

LINKS:

- 1) The pioneer behind developing 3D technology has been the Massachusetts Institute of Technology's Fab Labs based in the United States. It has been running experimental "Fab Labs" across the global South for the past few years, experimenting with ways to apply this technology to the challenges of development

and to use this technology to turn people on to the power of technology to solve problems. These experiments have explored how a 3D printer could print everything a small community could require but would otherwise be expensive or difficult to purchase through normal markets. Fab Lab is the educational outreach component of MIT's Center for Bits and Atoms (CBA), an extension of its research into digital fabrication and computation. **Website:** <http://fab.cba.mit.edu/>

- 2) 3D Systems: 3D Systems envisions a future in which 3D printing will return humanity to a heritage of personalized, localized craftsmanship and improve quality of life. A new industrial revolution changing the human experience from health care to entertainment. **Website:** 3dsystems.com
- 3) MakerBot: MakerBot makes a range of 3D printers for consumers. **Website:** makerbot.com
- 4) Stratasys: Stratasys manufactures 3D printing equipment and materials that create physical objects directly from digital data. Its systems range from affordable desktop 3D printers to large, advanced 3D production systems, making 3D printing more accessible than ever. **Website:** <http://www.stratasys.com/>
- 5) 3D Printing and Technology Fund: The Fund seeks long term capital appreciation through focused investment in global 3D printing and technology companies. **Website:** <http://www.3dpfund.com/>
- 6) Digital Revolution: An Immersive Exhibition of Art, Design, Film, Music and Video Games: Running from July to September 2014 at the Barbican Centre in London, UK. **Website:** <https://www.barbican.org.uk/bie/upcoming-digital-revolution>

2) African Hotel Boom Bringing in New Investment and Creating Jobs

Africa is experiencing a boom not seen for decades. The IMF forecasts economic growth in sub-Saharan Africa of 6 per cent in 2014, compared to global growth of 3.6 per cent.

And this boom is getting an additional jolt of support from the world's multinational hotel chains. January 2014 saw Africa's largest hotel chain bought by global giant Marriott (marriott.com). For decades major global multinationals shied away from Africa, but today they are battling to get a place in Africa's fast-growing economies and to serve the growing middle classes.

Marriott is leading the way by investing US \$1.5 billion in 25 new hotels equalling 5,000 rooms. To boost capacity further, Marriott is taking over South Africa's Protea group (proteahotels.com) and its 116 African hotels.

"We have 25 Marriott brand hotels under construction in seven countries in Africa that will come on stream over the next four years," Alex Kyriakidis, the chain's president for the Middle East and Africa, told Bloomberg (bloomberg.com).

The new hotels "are going to bring us into [Benin](#), Gabon, [Ghana](#), [Ethiopia](#) and [Mauritius](#). With our existing hotels plus those in the pipeline and those Protea operates today, we will be in 16 countries in Africa by 2017."

Bloomberg calls what Africa is experiencing the "fastest pace of hotel development in the world".

"Our mission here is to grow, grow, grow," according to Kyriakidis.

Meanwhile, a further boost is coming from the US \$5 billion Angolan sovereign wealth fund, Fundo Soberano de Angola (fundosoberano.ao/language/en/). It will be investing in hotels and commercial infrastructure in sub-Saharan Africa, according to Bloomberg. This could include 50 sub-Saharan African hotels in the next three years.

"We believe there's a lot of investment interest in Africa," said Chairman Jose Filomeno dos Santos. "It has a lot of mineral potential, almost a commodity hub. We believe this interest will remain there for the coming years."

Little thought is given to the role hotels play in development, yet they are a critical development tool for any country wishing to move up the economic ladder. As the quality of hotels improves, they tend to become key gathering and meeting places. Conferences and seminars can act as catalysts for change, attracting people from around the world. When quality hotels are in place, then the top-drawer global conferences will come to town, in turn bringing new tourist income for local businesses.

Anyone who has stayed in a hotel in Africa knows that standards are variable: the pool with dirty water, the power cuts, the food hygiene standards that might not match what people are used to at home. This is what international hotel chains can change. Not only do they demand the highest standards in their own establishments, they also push up standards at local competitors, as all of them battle for the attention of visitors.

Africa has been overlooked by the large global hotel chains and brands since the end of the colonial period in the 1960s and 70s. Africa was considered too poor, too chaotic, too dangerous and too much hard work for it to be worth the effort.

But now the tune has changed. With Africa's population over a billion, and many of the continent's economies experiencing rapid growth while also urbanizing, conditions are fortuitous for the hotel trade.

The situation has changed in the last decade, for a variety of reasons: debt relief, a rise in commodity prices, expanding trade and investment with China and the global South, and a growing middle class — all slowing the growth of poverty. Africa is still notorious for under-investment in infrastructure and has a long way to go to catch up to the fast-moving economies of Asia. But greater optimism is leading to greater real investment. And the world's large hotel brands are the latest to join in the rush to Africa.

Large chains including Four Seasons, Ritz-Carlton, Hyatt and Kempinski hope to open 300 new hotels in Africa over the next five years. The number of hotel beds is set to increase by 30 per cent by 2018.

Four Seasons Safari Lodge Serengeti in Tanzania (<http://www.fourseasons.com/serengeti/>) is the first investment in Africa by the Canadian brand. Four Seasons is known for its luxury, upmarket city hotels and has kept with this tradition by building the largest and most luxurious safari lodge ever built in Africa.

This is having a knock-on effect on African hotel operators. The surge in investment is giving these local operators the right incentives to create African brands and to raise their game.

Nairobi in Kenya has become something of a test market for high-end boutique hotels. Already a city benefiting from its status as an international development hub, home to many agencies including the UN Environment Programme's sprawling and verdant headquarters (unep.org), it has also become a corporate headquarters for Africa and has a large U.S. presence (nairobi.usembassy.gov). This means lots of people coming to the city to do business and attend events, creating a market for better quality accommodation.

The Kenyan-owned, 156-room Sankara Nairobi Hotel (sankara.com) boasts of having the best wine list in Africa and claims to be a five-star hotel. It also capitalizes on being close to the international airport and the UN's Nairobi headquarters.

"There's an appetite for something local that's different and, for the first time, there's the confidence and funding to bankroll new developments," said Sankara Hotel Group director Rohan Patel to Wallpaper Magazine. "Africans don't want a theme-park African hotel, with prints of 'the big five' on the wall. That's condescending. Nor do they want a New York-style hotel. They've probably been to New York. They want modern, connected Africa."

Elsewhere in Nairobi, the Kenyan-owned Tribe Hotel (tribe-hotel.com) is looking to expand to meet growing market demand.

"The market for new, authentic, yet modern African hotels is growing," manager Michael Flint, who previously ran New York's Ritz-Carlton, told Wallpaper.

"We've been so successful here we are building a new 187-room hotel in Nairobi. We've taken over a boutique hotel called Westhouse (westhouse.co.ke). And we're looking to expand further, with properties at the airport and on the coast. Who knows what will be next? Tribe will be a mini empire."

In Rwanda's capital Kigali, the Rwanda Marriott has ambitious plans. Rwanda was ripped apart by ethnic genocide in the 1990s that killed an estimated 500,000 to 1 million people (http://en.wikipedia.org/wiki/Rwandan_Genocide). Now, the country's economy is booming and its hotels are getting an upgrade.

The Akilah Institute for Women (akilahinstitute.org) in Kigali has been helping in training women for the hotel sector. They sent trainees to Dubai and Doha to learn how to do hotel service the Marriott way.

Starwood (starwoodhotels.com), a competitor to Marriott, is hoping to grow its African hotel investment by 30 per cent as well. It will be done through the Sheraton, Aloft, Le Meridien, St Regis and Four Points brands. The first St Regis has already opened in Mauritius.

Neil George, Starwood's head of African development, believes "Africa is the final frontier. It's adventurous.

"I would rather arrive in Kinshasa and work out how to do a hotel there than do it in Frankfurt," he told Wallpaper.

The Hyatt (hyatt.com) brand is now running the Hyatt Kilimanjaro Hotel in Dar es Salaam (<http://daressalaam.kilimanjaro.hyatt.com/en/hotel/home.html>), Tanzania. Peter Norman, Hyatt's African head, is working on opening a Park Hyatt in Zanzibar (<http://zanzibar.park.hyatt.com/en/hotel/home.html>) and another Hyatt Regency (<http://investors.hyatt.com/phoenix.zhtml?c=228969&p=irol-newsArticle&ID=1863203&highlight=>) will open in Arusha and a further 140-room Hyatt in Senegal (<http://investors.hyatt.com/phoenix.zhtml?c=228969&p=irol-newsArticle&ID=1863204&highlight=>).

The 200-room Villa Rosa Kempinski in Nairobi (<http://www.kempinski.com/en/nairobi/hotel-villa-rosa/welcome/>), boasting an outdoor heated pool, and the Olare Mara Kempinski (<http://www.kempinski.com/en/masai-mara/olare-mara/welcome/>) luxury camp in the Maasai Mara will also be joined by projects in Ghana and Equatorial Guinea.

Kempinski also has properties in Chad and the Congo, has bought the Hotel des Mille Collines (<https://www.millecollines.net/>) in Kigali and aims to operate 20 hotels across sub-Saharan Africa.

British entrepreneur Richard Branson has the Mahali Mzuri in the Maasai Mara and it is seen as a stylish role model for other hotels. The local landowners and herdsmen have been included in the business, benefiting from the hotel and helping to preserve the local ecosystem.

EasyHotel (<http://www.easyhotel.com/news/2011/africa0.html>), a low budget hotelier, is also rapidly expanding across southern Africa.

LINKS:

- 1) Catererglobal.com: Catererglobal.com offers a unique service that provides an easy-to-use, specific recruitment website for vacancies in the world's best hotels and cruise ships. **Website:** <http://www.catererglobal.com/jobs/africa/hotel/>
- 2) South African hotel jobs: HotelJobs South Africa is an industry specific job website for the hotel, hospitality and catering industry. **Website:** <http://www.hoteljobs.co.za/>
- 3) Hotel Staff Africa: Many hotel jobs across Africa. **Website:** <http://www.hotelstaff.co.za/>
- 4) Hotel Career: Many hotel jobs for the Middle East and Africa. **Website:** <http://www.hotelcareer.com/jobs/middle-east-africa>

3) China's Outsourced Airliner Development Model

Many emerging-market countries in the global South have built up substantial foreign currency reserves. Much of this has been a response to past foreign currency crises, particularly the Asian Crisis in the late 1990s (http://en.wikipedia.org/wiki/1997_Asian_financial_crisis).

But what to do with this often vast wealth? How should it be used to improve economies, human development and people's lives?

China — whose foreign currency reserves reportedly total US \$3.7 trillion — is showing one approach, using the wealth to build industrial capability in sectors traditionally associated with more developed countries, such as aircraft manufacturing.

China is seeking to build a commercial airliner able to compete with the sector's longstanding giants, Boeing and Airbus. To ensure it can do it to the highest global standards, it is outsourcing much of the parts manufacturing to the best around the world, while keeping the overall design and assembly in China.

Comac, or Commercial Aircraft Corporation of China, Ltd. (<http://english.comac.cc/products/ca/pi/>), is located outside Shanghai, China's rapidly growing global business hub. The modern Comac factory is working on building China's first commercial airliner, the C919. It is also making a smaller jet, the ARJ21.

Comac calls the outsourcing method an "airframer supplier" model. Suppliers provide the components, and Comac designs and assembles the plane.

Countries making the parts include the United States, France, Ireland, the United Kingdom, Austria, Switzerland and Japan.

Comac's dream is to graduate to the top tier of global aircraft manufacturers alongside Boeing and Airbus, which together account for 70 per cent of the global commercial airliner market (Fortune).

At present, this is just an aspiration, with a detailed life-sized plastic model of the C919 - right down to the intricacies of the cockpit instrument panels — all there is to show for the project.

Founded in 2008, Comac ambitiously aims to be making and selling commercial airliners within a decade. State-owned Comac is an amalgamation of various aviation companies, as previous efforts to make a commercial airliner in China had failed. China has invested US \$3 billion in the venture.

The name, C919, breaks down as C for China, 9 because it sounds similar to the Chinese word for forever, and 19 because it will carry 190 passengers.

The idea is to target the city-to-city aircraft market which is dominated by Boeing's 737 and Airbus's A320.

China saw huge aviation growth in the first decade of the 21st century, and is expecting that trend to continue. The country is on track to surpass the United States for airline-passenger traffic by 2032 and is already the world's second largest market (Fortune).

To feed this fast-growing market, China will need an estimated 5,580 new planes by 2032, costing US \$780 billion in today's prices (Boeing).

China has decided, rather than committing this vast investment to purchasing all the aircraft from overseas manufacturers, to instead use this wealth to build a competitive aircraft manufacturing industry to rival the big leaders. This would create jobs in the country and create a multiplier effect as airline industry investment helps the domestic economy.

China already has years of experience manufacturing aircraft parts for foreign companies. Comac makes the tail section of Boeing's 737, as well as manufacturing cargo door frames for the Airbus' A320.

More importantly, since 2009 China has assembled A320s for Airbus under license in Tianjin — 130 of them to date (<http://www.airbus.com/company/worldwide-presence/airbus-in-china/>).

The C919 is similar in some ways to the Airbus A320. They have similar dimensions and are made from similar materials. Comac has hired over 100 foreign experts to help with the project, to ensure quality control meets global standards.

By trying to compete with the world's best, China is entering a very competitive and complex marketplace. The complexity of modern aircraft (an average of 4 million parts in a typical commercial airliner) means there is no room for mistakes or cutting corners. And this is where China has to change its reputation. The country has experienced several high-profile manufacturing failures due to corner-cutting and corruption. These have included tainted milk products, poorly constructed buildings that collapsed, and high-speed train crashes.

The C919 is an opportunity to show high standards and high quality can be the norm in Chinese manufacturing.

In the 1970s, China designed and built the Y-10 (http://en.wikipedia.org/wiki/Shanghai_Y-10) in Shanghai, modeled on Boeing's 707. But it was a failed programme, shut down after the plane flew once.

Those behind the new plane acknowledge that this is a learning experience for China: "Comac must learn how to walk first before running," Comac chairman Jin Zhuanglong told Fortune magazine.

"I've always maintained the point that we won't be a big challenge for Airbus or Boeing in the short term," said Jin, who used to work in China's satellite and spacecraft industry. "But in terms of some single product, we might be competitive."

There's no doubt that China needs planes. China will have constructed 80 new airports between 2011 and 2015 (China Daily). It has already received 1,000 Airbus planes for domestic carriers, quickly bringing fleets to international standards.

State-owned airlines, including China Air, China Southern and China Eastern, dominate 80 per cent of flights. All stand to be a ready market for the C919, which will sell for around US \$75 million - US \$10 million less than the next generation Boeing 737 and the Airbus A320 (Fortune).

Ireland-based budget airline Ryanair is considering being the first Western airline to purchase the C919.

Ryanair CEO Michael O'Leary is confident people will fly on a Chinese-made plane: "Ninety-nine percent of my passengers don't know what kind of aircraft they are getting on," O'Leary told Fortune. "You trust the Chinese to make computers and medical devices, and the question is, would you get on a Chinese aircraft? Of course!"

Brazil has shown it is possible. The Embraer (embraer.com) aircraft company, based in São José dos Campos, is now a US \$6 billion a year success story that has won the public's trust.

Comac's C919 project is a risk, but the rewards could be enormous.

LINKS:

- 1) Beijing Capital International Airport Co. Ltd.: Beijing Capital International Airport (BCIA), known as "China's No.1 Gateway", is the most important, largest and busiest international aviation hub with state-of-the-art facilities. **Website:** <http://en.bcia.com.cn/>
- 2) Pudong International Airport: Shanghai Airport Authority (SAA) is the state-owned enterprise directly under the leadership of Shanghai Municipal Government, and operates both Shanghai Pudong International (PVG) and Hongqiao International Airport (SHA). **Website:** <http://en.shairport.com/>
- 3) China Southern Airlines: China Southern Airlines operates the largest fleet, most developed route network and largest passenger capacity of any airline in The People's Republic of China. **Website:** <http://www.csair.com/en/>
- 4) The Airplane Factory: South African manufacturer of light sport aircraft. **Website:** <http://airplanefactory.co.za/>
- 5) China Airborne by James Fallows: A timely, vital, and illuminating account of the next stage of China's modernization—its plan to rival America as the world's leading aerospace power and to bring itself from its low-wage past to a high-tech future. **Website:** amazon.com

4) Brazilian Design for New Urban, Middle-Class World

Countries across the global South are experiencing rapid urbanization as people move to cities for better economic opportunities — and this massive social change is creating new business opportunities. Those who recognize how fundamentally people's lifestyles are changing will be those who will benefit from this big shift in populations.

Finding ways to live well in urban areas will be critical to determining whether this move repeats past urban failures — from the favelas of Brazil to the slums of India — or introduces a new way of living that is exciting and colorful. Design and designers will be critical to this change.

One young design company in Brazil, Sao Paulo-based furniture studio NUUN (nuun.nu), is attempting to resolve a dilemma common across the rapidly urbanizing global South: How to create a design aesthetic that fits with the new way of living and being?

The company consists of designer and founder João Eulálio Kaarah and architects Renato Périgo and Carolina Sverner.

Périgo specializes in furniture and interior design, while Carolina Sverner worked with respected Japanese architect, Shigeru Ban (shigerubanarchitects.com), who is well known for designing buildings and houses made from paper and for creating easy-to-build homes for people after a disaster has struck (http://www.ted.com/talks/shigeru_ban_emergency_shelters_made_from_paper).

A collaboration among upcoming artists, designers and architects, NUUN tries to infuse its designs with a sense of "brazilianness". Brazilianness is a modern aesthetic, made for modern lifestyles in the new urban landscape that draws on aspects of Brazil's culture and environment.

The young studio's first collection of furniture offers simplicity. Called Eos, it tries to blend urban cosmopolitanism with raw nature. Brazil is known for its jam-packed urban cities as well as its vast expanse of Amazon rainforest. In practice, NUUN's look is a mix of contrasts redolent of what used to be called brutalism: concrete mixed with glass, steel, wood and semi-precious gems. NUUN takes inspiration from NASA's Earth Observation System (EOS): the collection vibes off of space satellites, antennae and the dry soil of the backwoods. NUUN says that "despite its Martian features, [the collection] is as Brazilian as it comes". There is the modular Panorama sofa (<http://nuun.nu/products/panorama>) in five colors, capable of being re-shaped to fit a variety of living arrangements. A glass-topped coffee table with a concrete base and a side table with a carbon steel metallic structure to complement the sofa.

Elsewhere in the world of Brazilian design, footwear brand Grendene S.A. (<http://ri.grendene.com.br/EN/Company/Profile>) has become one of the world's largest producers of footwear and made one of its founders a billionaire. And Grendene has boosted its international success by turning to another Brazilian success: supermodel Gisele Bündchen (giselebundchen.com.br).

Grendene began in 1971 and owns various successful shoe brands, including Melissa (melissa.com.br/en/), Grendha, Ilhabela, Zaxy, Cartago, Ipanema, Pega Forte, Grendene Kids and Grendene Baby.

It has six industrial zones with 13 footwear factories and can produce 240 million pairs of shoes a year. It undertakes all areas of production— from making its own moulds for the shoes to creating PVC (polyvinyl chloride) (http://en.wikipedia.org/wiki/Polyvinyl_chloride) - and handles its own distribution.

While Grendene is already a well-known shoe brand in Brazil, it wanted to expand its presence overseas to increase profits. Named after the two brothers who founded the company, Alexandre Grendene Bartelle and Pedro Grendene Bartelle, Grendene started working with supermodel Gisele Bündchen in 2002 to help her launch her own line of affordable flip-flops, iPanema (ipanemaflipflops.co.uk). The brightly colored sandals with elaborate patterns became an instant success.

But do celebrity endorsements really work? In the case of Bündchen and Grendene, the answer is yes. According to Forbes, 25 million pairs of the flip-flops and sandals are sold every year, accounting for 60 per cent of Grendene's annual exports of about US \$250 million.

Brazil was able to produce 864 million pairs of shoes in 2012, up 5.5 per cent from 2011.

Of these, 113 million pairs were exported to the United States, Argentina and France.

Brazil, like many other countries, has had to work out how it could compete with cheaper shoe imports from China. The strategy it chose was to target the growing number of middle-class people both in Brazil and elsewhere, as well as the high end of the market.

In 1979, Grendene created the Melissa brand, which has now become a coveted style leader. It collaborates with top design names such as Karl Lagerfeld and architect Zaha Hadid.

Making a partnership with Bündchen is part of the company's strategy to reach higher-income buyers.

And it is working: Grendene increased its export revenue by 50 per cent in 2013.

Co-founder Alexandre Grendene Bartelle became a billionaire according to Forbes World's Billionaires list and is worth US \$1.4 billion. He owns 41 per cent of Grendene S.A. and close to 40 per cent of the Dell Anno brand.

This is a critical lesson for manufacturers in the global South. Grendene had achieved strong market dominance at home, and was already benefiting from growing wealth among Brazil's middle classes. But it was the overseas market that had the potential to clinch even more profits for the company.

Bündchen's high brand profile has enabled the company to compete head-to-head with the well-known Brazilian flip-flop brand, Havaianas (havaianas-store.com).

Another modern design leader owned by Grendene, Dell Anno (lojasdellanno.com.br), is a maker of modernist cabinets and furniture.

Dell Anno only use wood from renewable forest sources, to protect and preserve the Amazon and other native forests. Dell Anno tries to recycle as much as possible: up to 80 per cent of the water used in manufacturing is recycled, and byproducts from the production process such as a sawdust, wood, plastic and cardboard are also reused.

Dell Anno makes a full range of furniture for kitchens, bedrooms, closets, home theatres, home offices, service areas, restrooms and commercial environments. Dell Anno uses research and development to study trends and advise customers on the best options. The brand offers its staff training to help standardize customer service, and also has an excellent blog covering developments in modern design around the world (<http://www.lojasdellanno.com.br/blog/>).

LINKS:

- 1) The newest members of Forbes' World's Richest List from Brazil. **Website:** <http://www.forbes.com/sites/andersonantunes/2013/12/06/from-handyman-to-billionaire-meet-the-newest-members-of-forbes-worlds-richest-list-from-brazil/>
- 2) Retail Design Institute: Based in Sao Paulo, Brazil, the Retail Design Institute works with colleges and universities to develop retail design programs. **Website:** retaildesigninstitute.org
- 3) Made in Brazil Blog: Features the latest on fashion, entertainment, tourism and all things about Brazil. **Website:** <http://www.madeinbrazilblog.com/>
- 4) About Brazil: The Sao Paulo Fashion Week (SPFW) is the biggest event in Brazilian fashion. After those of Paris, Milan, New York and London, the Sao Paulo Fashion Week is the fifth largest fashion week event in the world. **Website:** http://www.aboutbrasil.com/modules/brazil-brasil/what_to_do_brazil_brasil.php?hoofd=4&sub=24&art=1077

WINDOW ON THE WORLD

Check out our website archive: southerninnovator.org

Southern Innovator magazine's fifth issue (ISSN 2222-9280) (ISBN 978-0-9920217-1-9) is now online and 5,000 copies are available for distribution. The fifth issue's theme is waste and recycling. View the issue online here: <http://www.scribd.com/doc/207579744/Southern-Innovator-Magazine-Issue-5-Waste-and-Recycling>.

Contact us about opportunities to sponsor this issue or any future issues and we can send you more information on how it works. Southern Innovator needs financial support in order to keep up the good work of sharing knowledge and innovation around the global South. Don't miss out on this great opportunity to reach the pioneers and innovators shaping our new world.

Southern Innovator magazine's fourth issue (ISBN 978-0-9920217-0-2) is also online and 5,000 print copies are available for distribution. The fourth issue's theme is cities and urbanization. View the issue online here: <http://www.scribd.com/doc/133622315/Southern-Innovator-Magazine-Issue-4-Cities-and-Urbanization>.

Issue 6 (ISBN 978-0-9920217-2-6) will be on the theme of science, technology and innovation. Get on board now and support the magazine and help us to reach more people. Please contact the United Nations Office for South-South Cooperation in UNDP if you would like a copy (copies) of Southern Innovator (<http://ssc.undp.org/content/ssc.html>).

The covers for Issues 4 and 5 are below:



Follow us on Twitter @SouthSouth1

Issue 1 of Southern Innovator was called "...a terrific tour de force of what is interesting, cutting edge and relevant in the global mobile/ICT space..." and "Beautiful, inspiring magazine from UNDP on South-South innovation. Heart is pumping adrenaline and admiration just reading it"

Issue 4 has been called "fantastic, great content and a beautiful design!"

On Southern Innovator: "Btw, I really enjoyed reading them, impressive work & a great resource. Looking forward to Issue 6. My best wishes to you & your team at SI."

Also check out our SouthSouth Expo: 2013's Expo was in Nairobi, Kenya from 28 October to 1 November 2013. The first Arab States Regional South-South Development Expo took place from 18-20 February 2014 in Doha, Qatar: southsouthexpo.org

BOOKS

Human Development Report 2013: The Rise of the South. The 2013 Human Development Report examines the profound shift in global dynamics driven by the fast-rising new powers of the developing world and its long-term implications for human development. **Website:** <http://hdr.undp.org/en/mediacentre/humandevreportpresskits/2013report/>

Human Development Reports, (1990-2013). **Website:** <http://hdr.undp.org/en/reports/global/hdr2011/>

The Frugal Innovator: Creating Change on a Shoestring Budget by Charles Leadbeater, Publisher: Palgrave Macmillan. **Website:** amazon.com

African Economic Outlook - Measuring the pulse of Africa, Publisher: African Development Bank (AfDB), the OECD Development Centre and the United Nations Development Programme (UNDP). Africa's macroeconomic prospects remain favorable. In 2013, Africa maintained an average growth rate of about 4 per cent. This compares to 3 per cent for the global economy and underscores again the continent's resilience to global and regional headwinds. However, growth performance varied widely across country classifications and regions. **Website:** <http://www.africaneconomicoutlook.org/en/>

The New Harvest: Agricultural Innovation in Africa by Calestous Juma, Publisher: Oxford University Press. **Website:** http://belfercenter.ksg.harvard.edu/publication/20504/new_harvest.html

NEW: *The Dollar Trap: How the U.S. Dollar Tightened its Grip on Global Finance* by Eswar S. Prasad, Publisher: Princeton University Press. **Website:** <http://press.princeton.edu/titles/10182.html>

The Death of Money: The Coming Collapse of the International Monetary System by James Rickards, Publisher: Portfolio Hardcover. **Website:** amazon.com

The Zero Marginal Cost Society: The Internet of Things, the Collaborative Commons, and the Eclipse of Capitalism by Jeremy Rifkin, Publisher: Palgrave Macmillan. **Website:** amazon.com

Edible Insects: Future prospects for food and feed security, Publisher: FAO. **Website:** <http://www.fao.org/docrep/018/i3253e/i3253e00.htm>

Innovative Africa: The New Face of Africa: Essays on the Rise of Africa's Innovation Age by Will Mutua and Mbwana Ally, Publisher: Afrinnovator. **Website:** <http://book.afrinnovator.com/>

The Solution Revolution by William D. Eggers and Paul Macmillan, Publisher: Harvard Business Press. Where tough societal problems persist, citizens, social enterprises, and yes, even businesses, are relying less and less on government-only solutions. More likely, they are crowd funding, ride-sharing, app- developing or impact-investing to design lightweight solutions for seemingly intractable problems. No challenge is too daunting, from malaria in Africa to traffic congestion in California. **Website:** solutionrevolutionbook.com

Aid on the Edge of Chaos by Ben Ramalingam, Publisher: Oxford University Press. **Website:** <http://aidontheedge.info/>

Big Data: A Revolution That Will Transform How We Live, Work and Think by Viktor Mayer-Schonberger and Kenneth Cukier, Publisher: John Murray. **Website:** amazon.com

The New Digital Age: Reshaping the Future of People, Nations and Business by Eric Schmidt and Jared Cohen, Publisher: John Murray. **Website:** amazon.com

Interconnected Economies: Benefiting from Global Value Chains, Publisher: OECD. **Website:** <http://www.oecd.org/sti/ind/global-value-chains.htm>

Need, Speed and Greed: How the New Rules of Innovation Can Transform Businesses, Propel Nations to Greatness, and Tame the World's Most Wicked Problems by Vijay Vaitheeswaran, Publisher: HarperBusiness. **Website:** amazon.com

Living in the Endless City edited by Ricky Burdett and Deyan Sudjic, Publisher: Phaidon. The city is the subject of the 21st century. All over the world, populations are shifting towards urban centres. *Living in the Endless City* depicts an authoritative survey of cities of today and the prospects for our urban future of tomorrow. 36 contributors from across Europe, South America, China, Africa and the U.S. set the agenda for the city - detailing its successes as well as its failures. **Website:** <http://www.urban-age.net/publications/living-in-the-endless-city/>

Consumptionomics: Asia's Role in Reshaping Capitalism by Chandran Nair, Publisher: Infinite Ideas. **Website:** amazon.com

World 3.0: Global Prosperity and How to Achieve It by Pankaj Ghemawa, Publisher: Harvard Business School Press. **Website:** amazon.com

The End of Cheap China: Economic and Cultural Trends that will Disrupt the World by Shaun Rein, Publisher: John Wiley and Sons. **Website:** amazon.com

The Idealist: Jeffrey Sachs and the Quest to End Poverty by Nina Munk, Publisher: Doubleday. In 2006, Sachs launched the Millennium Villages Project, a daring five-year experiment designed to test his theories in Africa. For the past six years, Nina Munk has reported deeply on the Millennium Villages Project, accompanying Sachs on his official trips to Africa and listening in on conversations with heads-of-state, humanitarian organizations, rival economists, and development experts. **Website:** amazon.com

Breakout Nations by Ruchir Sharma, Publisher: Penguin. Breakout Nations offers journeys through more than two dozen of the most interesting economies in the emerging world. **Website:** <http://breakoutnations.com/>

Light Manufacturing in Africa by Hinh T. Dinh et al, Publisher: World Bank. This book examines how light manufacturing can offer a viable solution for sub-Saharan Africa's need for structural transformation and productive job creation, given its potential competitiveness based on low wage costs and an abundance of natural resources that supply raw materials needed for industries. **Website:** <http://issuu.com/world.bank.publications/docs/9780821389614>

China: And the End of Poverty in Africa – Towards Mutual Benefit? by Penny Davis, Publisher: Diakonia and the European Network on Debt and Development. **Website:** [www.eurodad.org/uploadedFiles/Whats New/Reports/Kinarapport_A4.pdf](http://www.eurodad.org/uploadedFiles/Whats%20New/Reports/Kinarapport_A4.pdf)

State of the Field in Youth Enterprise, Employment, and Livelihoods Development, Publisher: Making Cents International. This practical resource features learning from over 80 leading organizations that are working around the world to increase and improve economic opportunities for young people. Topics include youth enterprise development; workforce development; youth-inclusive financial services; working with adolescent girls and young women; and monitoring, evaluation and impact assessment. **Website:** www.YouthEconomicOpportunities.org/media.asp

Vitamin Green: The Definitive Guide to the World of Contemporary Sustainable Design: Features 100 Innovative Projects from Around the World by editors of Phaidon Press, Publisher: Phaidon Press. **Website:** <http://uk.phaidon.com/store/architecture/vitamin-green-9780714862293/>

Makers: The New Industrial Revolution By Chris Anderson, Publisher: Crown Business. **Website:** amazon.com

World Economic Outlook, October 2012: Coping with High Debt and Sluggish Growth, Publisher: IMF. **Website:** eurospangroup.com

Information Economy Report 2012: The Software Industry and Developing Countries, Publisher: United Nations Publications. **Website:** eurospangroup.com

China and India: Towards Global Economic Supremacy? by Rita Dulci and Jose Miguel Andreu, Publisher: Academic Foundation. **Website:** eurospanbookstore.com

Devaluing to Prosperity: Misaligned Currencies and Their Growth Consequences by Surjit S. Bhalla, Publisher: Peterson Institute for International Economics. **Website:** eurospanbookstore.com

China's Silent Army by Juan Pablo Cardenal and Heriberto Araujo, Publisher: Allen Lane. **Website:** amazon.com

The Production and Distribution of Knowledge in the United States by Fritz Machlup, Publisher: Princeton University Press. *The Production and Distribution of Knowledge in the United States* marked the beginning of the study of our postindustrial information society. Austrian-born economist Fritz Machlup had focused his research on the patent system, but he came to realize that patents were simply one part of a much bigger "knowledge economy." He then expanded the scope of his work to evaluate everything from stationery and typewriters to advertising to presidential addresses - anything that involved the activity of telling anyone anything. *The Production and Distribution of Knowledge in the United States* then revealed the new and startling shape of the U.S. economy. **Website:** amazon.com

Chinnovation: How Chinese Innovators are Changing the World by Yinglan Tan, Publisher: John Wiley & Sons. **Website:** amazon.com

China's Uncertain Future by Jean-Luc Domenach, Publisher: Columbia University Press. **Website:** amazon.com

Hello World: Where Design Meets Life by Alice Rawsthorn, Publisher: Hamish Hamilton. **Website:** amazon.com

Urgent Architecture: 40 Sustainable Housing Solutions for a Changing World by Bridgette Meinhold, Publisher: W.W. Norton & Co. **Website:** amazon.com

When the Money Runs Out: The End of Western Affluence by Stephen D. King, Publisher: Yale Books. **Website:** amazon.com

Architecture Now! Vol. 9 by Philip Jodidio, Publisher: Taschen. *Architecture Now! 9* includes works in Amsterdam and Inner Mongolia by architects as famous as Zaha Hadid and Jean Nouvel, and those as little known to the general public as Carla Juaçaba from Brazil. **Website:** tashcen.com

Papers and Reports

National Intellectual Property Systems, Innovation and Economic Development: With perspectives on Colombia and Indonesia Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?sf1=identifiers&st1=9789264204478>

OECD Science, Technology and Industry Scoreboard 2013: Innovations for Growth Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?K=5K49GNZP9H5L&LANG=EN>

Start-up Latin America: Promoting Innovation in the Region Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?K=5K468NKR9BZR&LANG=EN>

Innovation in Southeast Asia Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?K=5K9H35T9ZGTD&LANG=EN>

Knowledge-based Start-ups in Mexico Publisher: OECD. **Website:** <http://www.oecdbookshop.org/oecd/display.asp?K=5K4C7QF5L05G&LANG=EN>

Latest publications from UNRISD in Geneva on the Social and Solidarity Economy: Think pieces by Meyer and Leal on [Community Development Banks](#) in Brazil, by Richards and Ruddick on [Complementary Currencies](#) in Kenya. and by Larraitz Altuna-Gabilondo on the [Mondragon](#) cooperative in Spain. The SSE conference event brief is now available in [English](#), [French](#) and [Spanish](#) at [http://www.unrisd.org/80256B3C005BCCF9/%28httpPublicationsHome%29/\\$First?OpenDocument](http://www.unrisd.org/80256B3C005BCCF9/%28httpPublicationsHome%29/$First?OpenDocument)

The new Social and Solidarity Economy [LinkedIn group](#) is stimulating dialogue and networking between practitioners, researchers and policy makers around the world. We invite you to join the group today. As a member you can exchange ideas about SSE, inform others of your work and get connected to colleagues from all over the world. You are welcome to post comments in your preferred language, and becoming a member is free of charge. Please share the webpage with your networks: <http://www.linkedin.com/groups/Social-Solidarity-Economy-5117299/about?trk=anet ug grppro>
Clean Air Asia Study 2012. **Website:** <http://cleanairinitiative.org/portal/node/11338>

African Economic Outlook 2012: Promoting Youth Employment Publisher: Various. With almost 200 million people aged between 15 and 24, Africa has the youngest population in the world. This number will double by 2045. Many jobs have been created over the last decade, but the pace needs to accelerate significantly to match the demand of Africa's next generations. **Website:** <http://www.africaneconomicoutlook.org/en/>

State of China's Cities: 2010/2011: Better City, Better Life Publisher: UNHABITAT. **Website:** www.scribd.com/doc/39882697/State-of-China-s-Cities-Report-2010-2011

Still our Common Interest: Commission for Africa Report 2010 Publisher: Commission for Africa. **Website:** www.commissionforafrica.info/2010-report

The Emerging Middle Class in Developing Countries Publisher: OECD. **Website:** www.oecdlibrary.org/oecd/content/workingpaper/5kmmmp8lncrns-en (PDF - 2.09 mb)

The Implications of China's Ascendancy for Africa by Hany Besada, Publisher: The Centre for International Governance Innovation. This paper examines the extent to which China's engagement with Africa has produced mutual benefits for both and whether Africa is reaping the necessary benefits required for poverty alleviation and economic development. **Website:** http://www.cigionline.com/sites/default/files/Paper_40-web.pdf

Global Economic Decoupling Alive and Well Emerging economies decouple from the U.S., come closer to Europe. **Website:** <http://www.marketoracle.co.uk/Article23670.html>

Africa begins to make poverty history: U.S. economists challenge conventional view that the continent is a basket case **Website:** www.guardian.co.uk/business/2010/mar/03/africa-makes-poverty-history

The Demise of the Rest: on How the BRICS Are Crumbling and Why Global Economic Convergence Is a Myth by Ruchir Sharma, Publisher: Foreign Affairs. **Website:** <http://www.foreignaffairs.com/articles/138219/ruchir-sharma/broken-brics>

Meteoric Mongolia: Why It's Ascending So Fast – And How It Might Fall by Morris Rossabi, Publisher: Foreign Affairs. **Website:** <http://www.foreignaffairs.com/articles/138794/morris-rossabi/meteoric-mongolia>

Innovations in Green Economy: Top Three Agenda by David South, Publisher: Southasiadisasters.net. **Website:** <http://www.preventionweb.net/english/professional/publications/v.php?id=35990>

Magazines

Southern Innovator Issue 1: Mobile Phones and Information Technology Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/95410448/Southern-Innovator-Magazine-Issue-1-Mobile-Phones-and-Information-Technology>

Southern Innovator Issue 2: Youth and Entrepreneurship Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/106055335/Southern-Innovator-Magazine-Issue-2-Youth-and-Entrepreneurship>

Southern Innovator Issue 3: Agribusiness and Food Security Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/106055665/Southern-Innovator-Magazine-Issue-3-Agribusiness-and-Food-Security>

Southern Innovator Issue 4: Cities and Urbanization Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/133622315/Southern-Innovator-Magazine-Issue-4-Cities-and-Urbanization>

Southern Innovator Issue 5: Waste and Recycling Publisher: UN Office for South-South Cooperation. **Website:** <http://www.scribd.com/doc/207579744/Southern-Innovator-Magazine-Issue-5-Waste-and-Recycling>

New Publication

Southern Innovator Issue 5: Waste and Recycling: Improving Human Development with Finite Resources **Publisher:** UN Office for South-South Cooperation in UNDP. Southern Innovator's fifth issue explores how innovation can tackle the challenges of improving human development on a planet with finite resources. SI researchers identified innovative, low-polluting options to the world's energy needs. They found that it is possible to alter the way things are made to reduce or eliminate waste and toxic pollutants harming human health and damaging the environment. Order copies for distribution from the UN Office for South-South Cooperation in UNDP. ISSN 2222-9280 ISBN 978-0-9920217-1-9 **Website:** <http://www.scribd.com/doc/207579744/Southern-Innovator-Magazine-Issue-5-Waste-and-Recycling>

On the Web

Blogs and Websites

Open Aid Data: Openaiddata.org provides detailed developing aid data from around the world. Unlike most other websites, this project combines data from various sources offering a more comprehensive view. **Website:** openaiddata.org

Conserve India: Conserve India is a leading not-for-profit organization born out of a desire to reduce and reuse India's growing mountain of waste, and simultaneously help the most vulnerable community of rag-pickers. **Website:** <http://conserveindia.wordpress.com/>

Raspberry Pi: The Raspberry Pi is a credit-card sized computer that plugs into your TV and a keyboard. It's a capable little PC which can be used for many of the things that your desktop PC does, like spreadsheets, word-

processing and games. It also plays high-definition video. Raspberry Pi want to see it being used by kids all over the world to learn programming. **Website:** raspberrypi.org

African Robotics Network: The African Robotics Network (AFRON) is a community of institutions, organizations and individuals engaged in robotics in Africa. AFRON seeks to promote communication and collaborations that will enhance robotics-related education, research and industry on the continent. To achieve this, AFRON organizes projects, meetings and events in Africa at robotics and automation conferences abroad. **Website:** <http://robotics-africa.org/>

Polis: A collaborative blog about cities around the globe. **Website:** <http://www.thepolisblog.org/2012/03/coca-cola-in-africa.html>

mDirectory: The mDirectory is the most comprehensive database of information on mobile tech for social change on the Web: case studies, mobile tools, research, and how-to guides. **Website:** <http://mobileactive.org/directory>

Global Development: Launched in September 2010, this website from the Guardian newspaper tracks progress on the MDGs, encourages debate on its blogs, offers a rich store of datasets from around the world, and features monthly podcasts and resources for schools. **Website:** www.guardian.co.uk/global-development

Focus on Land in Africa: Focus on Land in Africa (FOLA) is an educational resource for development practitioners and policy makers that explores how land and natural resource rights affect, and are effected by, development in Africa. Through raising awareness of these issues, FOLA aims to elevate land and natural resource rights as an urgent priority for development in Africa. **Website:** http://www.focusonland.com/?utm_source=Com+Plotlines+-+OCT+2013&utm_campaign=4+Plotlines+SEPT+2013+Plots&utm_medium=email

India Water Tool: The India Water Tool (IWT) is a country customization of the [Global Water Tool](#), and has been developed by a 14 company working group based in India. The companies pooled their expertise to obtain *the best available data on ground water availability and quality in India* and customize the tool to their country context. The tool will help companies respond to the growing challenges of managing water effectively in this large, water scarce country. **Website:** <http://www.wbcds.org/indiawatertool.aspx>

International Development Economics Associates (IDEAs): International Development Economics Associates (IDEAs) is a pluralist network of progressive economists across the world, engaged in research, teaching and dissemination of critical analyses of economic policy and development. **Website:** www.networkideas.org/

OECD: Tackling the economic crisis website: The global economic crisis is entering a new phase amid signs of a return to positive growth in many countries. But unemployment is likely to remain high and much still needs to be done to underpin a durable recovery. This website will track the recovery. **Website:** <http://www.oecd.org/general/tacklingthecrisisastrategicresponse.htm>

The Global Urbanist: News and analysis of cities around the world: planning, governance, economy, communities, environment, international. **Website:** globalurbanist.com

Green Prophet: Green Prophet is a sustainable voice for green news on the Middle East region. A region with sweeping changes and immense opportunities for sustainable investment and growth, we cover a vast and unexplored territory from Morocco to Iran. The Middle East and North Africa region includes more than half a billion people. Controlling about 60 per cent of the world's oil, and 45 per cent of its natural gas reserves, and with little environmental awareness in general and dwindling water resources, the region's activities are of immense consequence for climate change, human migration, and the future of our planet. **Website:** <http://www.greenprophet.com/>

Inhabitat: Inhabitat.com is a weblog devoted to the future of design, tracking the innovations in technology, practices and materials that are pushing architecture and home design towards a smarter and more sustainable future. **Website:** <http://inhabitat.com/>

ICT Update: A bimonthly printed bulletin, a web magazine, and an accompanying email newsletter that explores innovative uses of information technology in agriculture and rural development in African, Caribbean and Pacific (ACP) countries. **Website:** <http://ictupdate.cta.int/en/Regulars/Perspectives/%28issue%29/56>

Youth-Inclusive Financial Services (YFS-Link) Program website: The first space for financial services providers (FSPs) and youth-service organizations (YSOs) to gather, learn and share about youth-inclusive financial services. **Website:** <http://www.makingcents.com/ourWork/yfsLink.php>

Triple Crisis Blog: Global Perspectives on Finance, Development and Environment **Website:** <http://triplecrisis.com/>

Full Disclosure: The Aid Transparency Blog: A Devex blog, written by members of the international community. **Website:** www.devex.com/en/blogs/full-disclosure

Africa Portal: An online knowledge resource offering researchers and opinion leaders a forum to share their insights on Africa and publish their work on pressing areas of concern to policymakers and the public. It aims to fill the gap in accessibility to research and information on policy issues on the continent. **Website:** africaportal.org

African Economic Outlook: A unique online tool that puts rigorous economic data, information and research on Africa at your fingertips. A few clicks gives access to comprehensive analyses of African economies, placed in their social and political contexts. This is the only place where African countries are examined through a common analytical framework, allowing you to compare economic prospects at the regional, sub-regional and country levels. **Website:** africaneconomicoutlook.org/en

Africa Renewal: The Africa Renewal information programme, produced by the Africa Section of the United Nations Department of Public Information, provides up-to-date information and analysis of the major economic and development challenges facing Africa today. **Website:** www.un.org/ecosocdev/geninfo/afrec/

Timbuktu Chronicles: A blog by Emeka Okafor

With "a view of Africa and Africans with a focus on entrepreneurship, innovation, technology, practical remedies and other self-sustaining activities." **Website:** <http://timbuktuchronicles.blogspot.com/>

AfriGadget: AfriGadget is a must-read for African invention junkies. They are always on the look out for ingenious innovation that is new or a repurposing of existing technology in a new way, interesting in the sense that the story captures the imagination of others, inspiring others to see solutions in uncommon ways, practical ideas that solve problems in a demonstrable way, and entrepreneurs who are inventing new products or solutions. **Website:** afrigadget.com

Interesting Blogger

EBP Lab

The EBP LAB is a platform that promotes emerging leaders, thinkers and doers who are pioneering alternative routes to value creation in the 21st century. **Website:** <http://www.ebplab.com/emerging2emerging/>

Notable Websites

UNRISD

The United Nations Research Institute for Social Development (UNRISD) is an autonomous research institute within the UN system that undertakes multidisciplinary research and policy analysis on the social dimensions of contemporary development issues. UNRISD's new website is packed with resources and publications and always has a new event worth checking out. **Website:** <http://www.unrisd.org/>

Social Media

Africa Entrepreneurship Platform

This ground breaking initiative is created as a forum to showcase innovative ideas and businesses from Africa that have the ability to scale internationally, driving job creation and sustainable economic development between Africa and the Americas. **Website:** www.sacca.biz

AfriGadget on Facebook: 'Solving everyday problems with African ingenuity': **Website:** www.facebook.com/group.php?gid=2402629579

Start-up Funding

Venture Capital for Africa

Venture Capital for Africa (www.vc4africa.biz) is the continent's leading founder's network, the largest and fastest growing community of entrepreneurs and investors building promising companies in Africa. The community currently supports more than 1000 + ventures in more than 30 African countries. Already entrepreneurs have been featured in mainstream media, established joint ventures and secured funding. **Website:** <https://vc4africa.biz/>

Ashoka - Innovators for the Public

To support social entrepreneurs who are leading and collaborating with changemakers, in a team of teams model that addresses the fluidity of a rapidly evolving society. Ashoka believes that anyone can learn and apply the critical skills of empathy, team work, leadership and changemaking to be successful in the modern world.

Website: <https://www.ashoka.org/>

Betterplace

Betterplace.org is a transparent online donation platform. 5,818 projects already use the free technology and advice – and 392,264 donors have enthusiastically contributed. **Website:** <http://www.betterplace.org/en>

Hubs!

They are sprouting up all over the place and now there is a map showing where they are in Africa. Website:

<https://africahubs.crowdmap.com/#> And there are 18 in Latin America too. **Website:**

<http://thenextweb.com/la/2012/08/11/18-latin-american-tech-hubs-know/>

The SEED Initiative

Hosted by the UN Environment Programme's World Conservation Monitoring Centre (UNEP-WCMC), the SEED Initiative is a global partnership for action on the Green Economy. The annual SEED Awards help to develop the most promising social and environmental start-ups in emerging economies and developing countries.

Website: <http://unep.org/newscentre/Default.aspx?DocumentID=2647&ArticleID=8798&l=en>

The Pioneers of Prosperity Grant and Award

This competition is a partnership between the OTF Group and the John F. Templeton Foundation of the United States, and promotes companies in East Africa by identifying local role models that act as examples of sustainable businesses in their country/region. It is open to businesses from Kenya, Uganda, Tanzania, Burundi and Rwanda. Five pioneers will receive US \$50,000 to re-invest in their business. It is open to for-profit businesses that provide high wages to their workers and that operate in sustainable ways.

Website: <http://pioneersofprosperity.org/index.php>

Oxford Said Business School Youth Business Development Competition

Open to youth between 16 and 21 across the world, the competition is run by students at Oxford University to promote social enterprise. A prize fund of £2,000 in seed capital is up for grabs. It calls itself the 'world's first global youth development competition'.

Website: www.sbs.ox.ac.uk/oba/se/ybd

Challenge

InnoCentive (www.innocentive.com/) is a challenge to the world's inventors to find solutions to real scientific and technological problems affecting the poor and vulnerable. It is an open marketplace where anybody with a problem can post it, and rewards for effective solutions stretch up to US \$100,000. They use rigorous intellectual property protection so ideas are not stolen without credit being given to the inventor. **Website:**

www.rockfound.org/about_us/news/2007/0720first_seeker.shtml

Rwanda Innovation Endowment Fund (RIEF)

Rwanda Research Innovation Endowment Fund (RIEF) was established and is managed by the Government of Rwanda, through the Ministry of Education (MINEDUC) in partnership with UNECA (SRO-EA & ISTD) under One UN Rwanda. The objective of this Fund is to stimulate economic transformation through R&D in innovative market-oriented products and processes in priority areas of the economy, thereby increasing prosperity and the competitiveness of the Rwandan economy. The orientation can be either for economic growth, social development or combination of the two. **Website:** <http://www.mineduc.gov.rw/spip.php?article21>

The Innovation Prize for Africa (IPA)

The United Nations Economic Commission for Africa (ECA) and the African Innovation Foundation (AIF) are delighted to announce the call for applications for the 2013 Innovation Prize for Africa (IPA). Too often, innovators and entrepreneurs are not highly profiled on the African development agenda. It is IPA's mission to elevate attention around innovative work and help support the vision of entrepreneurs. The prize honours and encourages innovative achievements that contribute towards the development of new products, increased efficiency or cost savings in Africa. The prize also promotes the efforts of young African men and women pursuing science, technology and engineering careers as well as business opportunities that aim to contribute to sustainable development in Africa. **Website:** <http://innovationprizeforafrica.org/>

Video

Forum for the Future: Compelling animated videos exploring the hard choices of an urbanizing world and the need to promote sustainable development and environmental harmony. **Website:**

<http://www.youtube.com/user/forumforthefuture96>

EVENTS

Have an event you would like the South-South community to know about? Then send details to developmentchallenges@googlemail.com.

Africa Events

An excellent resource by Aryan Media Group for all events in Africa in 2014. Look up events by the month or by country. **Website:** <http://www.events-africa.com/>

2014

May

World Travel Market Africa 2014

Cape Town, South Africa (2-3 May 2014)

World Travel Market Africa is the new highlight and leading B2B event for the African travel industry, brought to you by world leaders Reed Travel Exhibitions and Thebe Reed Exhibitions. WTM Africa will bring together international and African suppliers with both a pan African and global audience of travel buyers and professionals for 2 days of exchanging ideas, sharing best practice, meeting new contacts from across the world and ultimately conducting business. For anyone involved in the African travel industry this is a must-attend event!

Website: <http://www.events-africa.com/world-travel-market-africa-2014-events-africa.html>

World Economic Forum Africa

Abuja, Nigeria (7-9 May 2014)

Forging Inclusive Growth, Creating Jobs

"For Africa to remain relevant, we need to adequately educate our people, as it is through education that we can unlock the potential of our youth to enable Africa to compete globally, and create jobs in the new knowledge economy."

– **H.E. Dr Goodluck Ebele Jonathan**, President of Nigeria

Africa's remarkable growth trajectory is projected to remain above 5 per cent in 2014 with West Africa the fastest growing sub-region, representing the continent's largest business opportunity. Such momentum is a welcome and necessary boon to a region whose youthful population offers the prospects of a significant demographic dividend fueled by growth in consumer industries, manufacturing and business process outsourcing. Nigeria, sub-Saharan Africa's second-largest economy and most populous nation – with over 160 million inhabitants – already plays a crucial role in advancing the continent's growth; yet it is also emblematic of the challenges of converting natural wealth into solutions that address persistent social challenges. As the foremost gathering on the continent, the 24th World Economic Forum on Africa will bring together regional and global leaders to discuss innovative structural reforms and investments that can sustain the continent's growth while creating jobs and prosperity for all its citizens.

Website: <http://www.weforum.org/events/world-economic-forum-africa-0>

World Economic Forum on East Asia

Manila, Philippines (21-23 May 2014)

Leveraging Growth for Equitable Progress

As one of the economically fastest-growing regions in the world, ASEAN is one year away from launching the ASEAN Economic Community, a common market which will comprise 600 million people and have a combined GDP of nearly US\$ 2 trillion. Fresh demand in Europe and the United States, along with recently concluded trade agreements, are expected to boost production and consumption in East Asia. Almost all of the 10 ASEAN economies are expecting growth above 5% in 2014. In this context, the 23rd World Economic Forum on East Asia will be held in Manila, Philippines. Writing one of the greatest economic comeback stories in recent years, the Philippines is poised to be the strongest performing South-East Asian economy in 2014, with GDP growth projected to surpass 6.5%. The meeting will serve as an ideal platform for participants to deliberate the opportunities of the ASEAN Economic Community to promote greater inclusion across East Asia and to instill more resilient decision-making in the face of unpredictable economic and natural disruptions.

Website: <http://www.weforum.org/events/world-economic-forum-east-asia-0>

June

Africa Media Business Exchange 2014

Nairobi, Kenya (5 June 2014)

This year's Broadcast, Film & Music Africa Conference (BFMA 2014) will include the 2nd Africa Media Business Exchange to provide a platform for African media start-ups to pitch their business ideas and opportunities to Venture Capitalists (VCs) and other potential investors – as well as for content producers to pitch their ideas to commissioning editors and other buyers of content.

Website: <http://www.events-africa.com/africa-media-business-exchange-2014-events-africa.html>

Global Health Council: International Conference on Global Health

Washington DC, USA (13-17 June 2014)

Website: globalhealth.org

Africa Energy Forum

Istanbul, Turkey (18-20 June 2014)

The Africa Energy Forum is the international marketplace where governments and power utilities of Africa unite with the energy industry to focus on delivering power infrastructure projects in Africa. All the players in the industry are in the same place at the same time.

Website: <http://www.energynet.co.uk/page/africa-energy-forum>

July

Have an event you would like the South-South community to know about? Then send details to developmentchallenges@googlemail.com.

Aviation Outlook Africa 2014

Johannesburg, South Africa (1-2 July 2014)

Aviation Outlook Africa is a conference about meeting the demand for aviation solutions. The event targets decision-makers from local and international airlines, airports, investors and government.

Website: <http://www.events-africa.com/aviation-outlook-africa-2014-events-africa.html>

2nd International Conference on Global Public Health 2014

Negombo, Sri Lanka (3-4 July 2014)

Offers a valuable opportunity to network with colleagues from many countries who share the same goals. Scientists and experts in Global public health are invited to participate in Asia's largest public health event in Sri Lanka. Session themes for the conference cover a rich and diverse range of research topics. We hope these sessions will bring researchers from across the globe together to discuss broad questions of common interest and provide a platform to establish relationships with new colleagues. You will be enlightened with innovative ideas and solutions at GPH 2014.

Website: <http://www.health3000.org/>

August

Have an event you would like the South-South community to know about? Then send details to developmentchallenges@googlemail.com.

September

Annual Meeting of the New Champions

Tianjin, People's Republic of China (10-12 September 2014)

Established in 2007 as the foremost global gathering on science, technology and innovation, the Annual Meeting of the New Champions convenes the next generation of fast-growing enterprises shaping the future of business and society together with leaders from major multinationals as well as government, media, academia and civil society. Join us next September in Tianjin as part of – a community of more than 1,500 participants from 90 countries – for a true global experience addressing today's unprecedented set of intertwined global challenges – economic, political, societal and environmental.

Website: <http://www.weforum.org/events/annual-meeting-new-champions>

World Economic Forum on Europe, MENA and Eurasia

Istanbul, Turkey (28-30 September 2014)

Shaping New Pathways to Development and Growth

Istanbul sits at the intersection of globally important regions and cultures, and within one of the world's most dynamic economies, Turkey. Building on a cross-regional platform introduced in Istanbul in 2012, the 2014 meeting will bring together over 1,000 of the foremost leaders from across Europe, the Middle East, North Africa and Central Asia. These regions share common challenges while remaining emphatically diverse. At the same time, they are increasingly interconnected, which creates a host of new opportunities and imperatives. Across these regions, business, government and civil society leaders are looking for ways to strengthen institutions, boost employment and create inclusive growth by fostering innovation and entrepreneurship. These shared efforts are critical for Europe's drive to close its competitiveness divide, North Africa's complex transitions and reforms in Central Asia.

Website: <http://www.weforum.org/events/world-economic-forum-europe-mena-and-eurasia>

October

Global Youth Economic Opportunities Conference

Washington, D.C., USA (6-8 October 2014)

Making Cents International is thrilled to announce the 2014 Global Youth Economic Opportunities Conference will take place October 6-8 at the Renaissance Arlington Capital View Hotel (2800 South Potomac Ave. Arlington, Virginia 22202), which is just minutes outside Washington, DC. We look forward to your engagement in a dynamic exchange of lessons learned, promising practices, and innovative ideas through a "Spotlight on Technology" and 5 learning tracks: Workforce Development, Youth Enterprise Development, Monitoring, Evaluation & Impact Assessment, Gender, Youth-Inclusive Financial Services and Capabilities.

Website: youtheconomicopportunities.org/conference and makingcents.com

Twitter: @YouthEconOpps and @MakingCentsIntl

TEDGlobal 2014: South!

Rio de Janeiro, Brazil (5-10 October 2014)

TEDGlobal is heading to Latin America. In October 2014, on the beach of Copacabana in Rio de Janeiro, we will be celebrating the outpouring of innovation, dynamism and creativity taking place all over South America and the global south. The world is changing fast. Fresh thinking can be found in every direction, in emerging geographies as well as in the western hemisphere. Prepare to have your world turned upside down: Join us in Rio to explore the realities of tomorrow.

Website: <http://conferences.ted.com/TEDGlobal2014/>

Hidden Money, Hidden Resources: Financing Development with Transparency

Lima, Peru (14-15 October 2014)

You are invited to the 2014 annual conference of the Financial Transparency Coalition (FTC), co-hosted by the Latin American Network on Debt, Development, and Rights (LATINDAD). The event will bring together leaders in the development and finance communities to draw attention to the growing problem of illicit financial flows and the impact on development. By conveying a variety of stakeholders, from government officials to civil society advocates and policy experts from around the world, the conference serves as a global platform to exchange ideas, engage in creative thinking on the issue of illicit flows, and work together to find solutions. You can submit any questions to the conference team via email to: conference@financialtransparency.org. We regret to inform you that the FTC is unable to provide funding for travel, accommodation, or per diems for the conference at this time. We apologize for any inconvenience this may cause.

Website: http://conference.financialtransparency.org/conf/?page_id=13

November

World Economic Forum on India

(New Delhi, India (4-6 November 2014)

India is Asia's third largest economy, the world's largest democracy and most populous country, with over 1.2 billion inhabitants. In this indispensable emerging market, the country's entrepreneurs and rapidly globalizing firms are key contributors to the world economy. However, as a fundamentally bottom-up, state-led and centrally enabled model, the country's development is a multidimensional undertaking. As a result, the challenges and opportunities that India encounters are among the most important yet also least understood in the world. Marking the thirtieth year of the World Economic Forum's active engagement in India, taking place at a time when the energetic optimism for India which has been prevalent in the past decade has given way to questions about the country's true potential, the Forum will provide the foremost multistakeholder platform bringing together international and national leaders in New Delhi who are invested in building a sustainable roadmap for India's future. This meeting will offer an opportunity to meet with the new government to discuss key issues that challenge inclusive growth in India and to focus to craft solutions. This will be an invaluable meeting for all who have a real interest in the future of India.

Website: <http://www.weforum.org/events/world-economic-forum-india-0>

AITEC East Africa ICT Summit 2014

Nairobi, Kenya (19-20 November 2014)

The time has come for East Africa's long heralded ICT revolution to start delivering results that improve the quality of life for the region's citizens. The technology is available, the international communication links are in place, the need is clear.

Website: <http://www.events-africa.com/aitec-east-africa-ict-summit-2014-events-africa.html>

December

Have an event you would like the South-South community to know about? Then send details to developmentchallenges@googlemail.com.

January 2015 – Millennium Development Goals Deadline Year

April

7th World Water Forum

Daegu-Gyeongbuk, Republic of Korea (12-17 April 2015)

The 7th World Water Forum will take place in Daegu-Gyeongbuk, Republic of Korea, from 12 to 17 April 2015. The 7th Edition of the world's largest water event is expected to gather over 30,000 people from multi-stakeholder backgrounds for 6 days of high-quality sessions, intense debates and informative workshops.

Website: worldwatercouncil.org

AWARDS AND FUNDING

CTA Top 20 Innovations for Smallholder Farmers: Call for Proposals

CTA is a joint international institution of the African, Caribbean and Pacific (ACP) Group of States and the European Union (EU). Its mission is to advance food and nutrition security, increase prosperity and encourage sound natural resource management in ACP countries. Smallholder production systems in ACP countries are performing far below the levels required to sustain livelihoods, reduce poverty and contribute to the attainment of food and nutrition security and ecological sustainability. Research results and technologies that have been developed in universities and research institutes are said to "remain on the shelf". Farmer "innovations" are sometimes ignored and generally not valued or promoted. While it is recognized that, a complex package of inputs, support systems and management practices would be required to achieve the desired results; there is need to unleash the **innovation** potential of ACP scientists, engineers and farmers make visible the knowledge that remain out of reach of the majority of farmers in most ACP countries.

CTA is calling for proposals on innovations in use or have potential in smallholder agricultural production systems in ACP countries and which if known and widely promoted can benefit other farming communities.

Website: <http://youngfarmersfoundation.wordpress.com/2014/01/28/cta-top-20-innovations-for-smallholder-farmers-call-for-proposals/>

Agribusiness for Innovation

The Nairobi-based Agribusiness for Innovation Incubator programme is inviting people to apply for the 2014 programme. If you have an innovation that is aimed at improving food production, processing, technology or distribution and have legalized your idea, then the Incubation Programme is looking for you. The programme invites 12 agribusiness start-ups with mature ideas to work together with facilitators, mentors and like minded entrepreneurs in the same environment for 16 weeks. The sessions and workshops will help the start-up teams analyze the real need for input and feedback from the market, customers and key stakeholders, and design their

tests and pilots accordingly. After 4 weeks of the sessions the teams will make presentations to a panel of business angles and their fellow peers and they panel will select 5 start-ups that will be given the pre-committed funding of \$5,000 each, to commence the testing and piloting. The piloting programme will continue for 10 weeks where they will be having guidance from facilitators, advisers and mentors. The activities conclude with a presentation to potential investors, key stakeholders and the social enterprise community at large what their tests and pilots revealed, and what the next steps are for their business venture.

Website: <http://techmoran.com/where-are-the-kenyan-agribusiness-innovators/>

World Habitat Awards 2015

New deadline for World Habitat Award submissions: the World Habitat Awards will now be presented at the World Urban Forum and UN-Habitat Governing Council events in April of each year, increasing opportunities for international exposure, networking and dissemination of the award winning approaches. **Website:**

<http://www.worldhabitatawards.org/enter/?lang=00>

Mayors Challenge

Innovation comes from an intentional process of experimentation and exploration. The 2013–2014 Mayors Challenge is an ideas competition for European cities—a chance to win funding for a bold new solution to a major urban challenge. It exists to bring powerful new ideas to life—not only to help your own city, but to encourage others to adopt creative approaches as well. **Website:**

<http://mayorchallenge.bloomberg.org/index.cfm?objectid=58B735E0-1A4E-11E3-8975000C29C7CA2F>

The EU Contest for Young Scientists

The European Union (EU) Contest for Young Scientists, an initiative of the European Commission, was set up to promote the ideals of co-operation and interchange between young scientists. **Website:**

http://ec.europa.eu/research/youngscientists/index_en.cfm?pg=history

2014 Innovation Prize for Africa

The second round of the Innovation Prize for Africa (IPA), which aims to reward innovation across Africa in key sectors of interest, has been launched. The Economic Commission for Africa (ECA) expect the prize to promote among young African men and women in the pursuit of science, technology and engineering careers and business applications. The aims are to:

- Mobilize leaders from all sectors to fuel African innovation;
- Promote innovation across Africa in key sectors of interest through the competition;
- Promote science, technology and engineering as rewarding, exciting and noble career options among the youth in Africa by profiling success applicants; and
- Encourage entrepreneurs, innovators, funding bodies and business development service providers to exchange ideas and explore innovative business opportunities.

Website: innovationPrizeForAfrica.org

World Summit Youth Award

The international contest for young people using the Internet and mobiles to take action on the UN Millennium Development Goals. **Website:** www.youthaward.org

Grand Challenges Canada: Request for proposals

Grand Challenges Canada is pleased to announce a new initiative in its Maternal, Neonatal and Child Health grand challenge. It's called Saving Brains. Its goal is to unlock potential in children and dramatically transform lives in the developing world. The money to fund this program comes from the Development Innovation Fund. In Budget 2008, the Government of Canada committed \$225 million CAD over five years to the Development Innovation Fund, to support the best minds in the world in a collaborative search for solutions to global health challenges. For the Request for Proposals: **Website:** [http://www.grandchallenges.ca/wp-content/uploads/2011/05/Request for Proposals-Saving Brains EN.pdf](http://www.grandchallenges.ca/wp-content/uploads/2011/05/Request_for_Proposals-Saving_Brains_EN.pdf)

Zayed Future Energy Prize

The world is in desperate need of innovative solutions to create a new, sustainable energy future. No one knows who or where the next great energy solution will come from. Solutions and technologies that could change the world are being developed globally, and the \$2.2 million Zayed Future Energy Prize, managed by Masdar in Abu Dhabi, recognizes and rewards innovation, leadership, and long-term vision in renewable energy and sustainability. **Website:** www.zayedfutureenergyprize.com/

Philips Liveable Cities Award

Philips is looking for individuals and community or non-government organizations and businesses with ideas for “simple solutions” that will improve people’s health and well-being in a city to enter the Philips Liveable Cities Award. To help translate these ideas into reality, three Award grants totalling €125,000 are on the line. One overall winning idea from any of the three categories outlined below will receive a grant of €75,000, while the two additional ideas will receive grants of €25,000. **Website:** <http://www.because.philips.com/livable-cities-award/about-the-award>

Piramal Foundation in India

Has established a US \$25,000 prize for ideas that help advance full access to effective public health care in India. The Piramal Prize is a \$25,000 Social Entrepreneurship Competition focused on democratizing health care in India that seeks to encourage and support bold entrepreneurial ideas which can profoundly impact access to higher standards of health for India’s rural and marginalized urban communities. The award recognizes high-impact, scalable business models and innovative solutions that directly or indirectly address India’s health-care crisis.

Website: www.piramalprize.org

Special Award for South-South Transfer

The aim of the award is to identify, provide visibility, and honour those who have successfully shared their projects and approaches internationally, thereby increasing the impact of the initiative. The winning practice receives US \$15,000 to further transfer the awarded practice to other communities in developing countries.

Website: www.southsouthexpo.org

South-South Experience Exchange Facility

Supported by Mexico, China, India, Denmark, Spain, The Netherlands, and the U.K. and now Colombia, the South-South Experience Exchange Facility is a multi-donor trust fund that promotes the idea that developing countries can learn from the successes of other developing countries in overcoming similar challenges. In the past 12 months, the trust has given out 35 grants to countries for learning activities ranging from working with at risk youth in the Caribbean to outsourcing IT services in Africa. **Website:** www.southsouthcases.info

African Writers Fund

Together with the Ford Foundation, the Fund supports the work of independent creative writers living on the continent. The Fund recognizes the vital role that poets and novelists play in Africa by anticipating and reflecting the cultural, economic and political forces that continuously shape and reshape societies. **Website:**

http://www.trustafrica.org/index.php?option=com_content&task=view&id=91&Itemid=90&lang=fr

Joint NAM S&T Centre - ICCS Fellowship Programme

Centre for Science and Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre) and International Center for Chemical Sciences (ICCS), (H.E.J. Research Institute of Chemistry and Dr. Panjwani Centre for Molecular Medicine and Drug Research), University of Karachi, Karachi, Pakistan
Contact: namstct@vsnl.com, namstct@bol.net.in, apknam@gmail.com

PhD Plant Breeding Scholarships at the University of Ghana

The University of Ghana (www.ug.edu.gh) has been awarded a project support grant by the Alliance for a Green Revolution (www.agra-alliance.org) in Africa (a joint venture between the Bill and Melinda Gates Foundation and the Rockefeller Foundation, for the establishment of a West African Centre for Crop Improvement (WACCI). This is available to scientists working at NARIs, universities and international centres in West Africa. Women scientists are especially encouraged to apply for a fellowship under this programme. **Website:**

www.acci.org.za/Default.asp?nav=Home&idno=10

Genesis: India's Premier Social Entrepreneurship Competition

Is a social entrepreneurship competition aiming to bring together social entrepreneurs, students, NGOs, innovators, incubators, corporations and financiers and encourage them to come up with innovative ideas which are socially relevant and feasible. **Website:** <http://genesis.iitm.ac.in/>

Jobs and Careers

Weitzenegger's International Development Job Market

Website: www.weitzenegger.de/new/jobmarket.php

Global Knowledge Initiative

The Global Knowledge Initiative seeks to build global knowledge partnerships between individuals and institutions of higher education and research. It seeks to help partners access the global knowledge, technology, and human resources needed to sustain growth and achieve prosperity for all."

Website: www.globalknowledgeinitiative.org/

ExportHelp - Promoting and supporting access to the European market

The European Commission runs a database for the explicit support of market players in developing countries who want to bring their products to the EU market. The database gives an overview on the EU's preferential trade regimes established for developing countries as well as lists all tariffs, taxes and other requirements for goods imported into the EU.

Website: <http://exporthelp.europa.eu>

Development Executive Group Devex Networking Website

Over 90,000 global experts can network and connect and learn about more than 47,000 registered projects.

Website: www.devex.org

Website Offers Career Advice to Young Africans

Set up by the Commonwealth Secretariat, africacareerguidance.com is aimed at providing career guidance to African youth and helping them to link with prospective employers. AfricaRecruit is a human resources organization that provides skills training for African professionals in the Diaspora and on the continent. The website has an inbuilt email subscriber list for all its users and offers a searchable database of career profiles for job seekers and prospective employers. It also offers skills and interest assessments and advice on CV and résumé preparation. It provides tips about interviewing techniques, as well as information on internship and volunteer opportunities, and entrepreneurial skills.

Website: www.africacareerguidance.com

African Diaspora Skills Database

This database was compiled to provide an overview of qualified African Diaspora professionals with varied areas of expertise and experience. The African Diaspora contributes substantially to the social, economic and political development of Africa, and this database is set up to further mobilize this considerable potential.

Website: www.diaspora-centre.org/NEWSLETTER/Database

Aid Workers Network (AWN)

Aid Workers Network (AWN) is an online platform for aid, relief and development workers to ask and answer questions of each other, and to exchange resources and information. AWN is registered in the United Kingdom as a charity. You will find discussions about a range of questions and issues on the AWN forum from aid, relief and development workers all over the world and representing a variety of fields, with new threads or responses posted daily. The forum is a great way to get in contact with

other aid and development workers in your geographic area or working in a similar area of work.

Website: www.aidworkers.net

Bizzlounge

Bizzlounge is where people committed to ethical behaviour meet, who want to establish and maintain business contacts in an exclusive and relaxed environment.

Website: <http://bizzlounge.com>

Business Action for Africa

Business Action for Africa is a network of businesses and business organizations working collectively to accelerate growth and poverty reduction in Africa.

Website: <http://businessactionforafrica.blogspot.com>

Business Fights Poverty

Business Fights Poverty is a professional network for all those passionate about fighting world poverty through the power of good business.

Website: <http://businessfightspoverty.ning.com>

Business in Development Network (BiD)

The BiD Network Foundation runs the BiD Challenge to contribute to sustainable economic development by stimulating entrepreneurship in developing countries.

Website: www.bidnetwork.org

Zunia

By Development Exchange, it offers news, publications and networking opportunities with the world's development community.

Website: www.zunia.org

Catalogue of Poverty Networks

UNDP is organizing an online catalogue of Poverty Networks as a means to facilitate access to knowledge and sharing this to a wider audience in 189 countries. Poverty Networks are web-based platforms that provide space for sharing and disseminating development-related information and initiatives. Below you will find information on IPC's collaborating networks, which help foster dialogue between researchers, policymakers, civil society and multilateral organizations.

Website: www.undp-povertycentre.org/povnet.do

Connections for Development (CfD)

CfD is a UK, Black and Minority Ethnic (BME) led, membership based organization committed to ensuring that UK BME communities, and the organizations they are involved in, are supported in the process of shaping and delivering policy and projects that affect their countries of origin or interest – collectively "our world".

Website: www.cfdnetwork.co.uk

Development Crossing

Development Crossing was set up in 2006 by a small group of friends with diverse backgrounds ranging from business consulting to international development. In a world where the environment, corporate responsibility, and sustainable development are becoming increasingly intertwined, our goal was to create a site where individuals that shared our passion could keep up-to-date with relevant happenings in the world and connect with like-minded individuals. The idea behind Development Crossing is to provide a social network that brings together people from a variety of sectors, countries and professions to discuss corporate social responsibility and sustainable development.

Website: www.developmentcrossing.com

DevelopmentAid.org

The one-stop-information-shop for the developmental sector, DevelopmentAid.org is a membership organization that brings together information for developmental professionals, NGOs, consultancy firms and donors.

Website: www.developmentaid.org

dgCommunities on the Development Gateway (Zunia.org)

Zunia.org, a free online service by the Development Gateway Foundation is devoted to knowledge-sharing and collaboration for people working to reduce poverty in the developing world.

Website: <http://topics.developmentgateway.org>

Diaspora African Forum

This Forum exists "to invite and encourage the full participation of Africans in the Diaspora in the building of the African Union, in its capacity as an important part of the Continent". We will provide the vital linkage for Diaspora Africans to become involved in Africa's development as well as reap the fruits of African unity.

Website: www.diasporafricanforum.org

Business Planet: a new data map on Entrepreneurship

Business Planet, an interactive Google map, now includes data on new business creation around the world. Measures of entrepreneurial activity are based on the number of total and newly registered corporations. Click on colour markers to learn more about each country.

Website: <http://rru.worldbank.org/businessplanet/default.aspx?pid=8>